# MONTHLY BULLETIN

OF

# THE OBSERVATORY

## AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

**MARCH 1954**

GIORGIO CONTINO, ACTING DIRECTOR

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WEATHER BUREAU

# MARCH 1954

## METEOROLOGICAL REGISTER

| Date | Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +... | | | | Thermometer Degress Centigrade | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20·30 | Mean | Max. | Min. | 8:30 | 14:30 | 20.30 | Mean |
| 1 | 68.2 | 67.5 | 67.9 | 67.9 | 17.9 | 11.9 | 12.7 | 17.2 | 14.9 | 14.9 |
| 2 | 67.8 | 66.4 | 65.7 | 66.6 | 19.5 | 13.7 | 14.3 | 18.3 | 15.3 | 16.0 |
| 3 | 63.7 | 61.7 | 61 4 | 62.3 | 19.6 | 12.6 | 15.7 | 18.6 | 15.6 | 16.6 |
| 4 | 59.7 | 57.6 | 56 0 | 57.8 | 19.4 | 14.8 | 15.6 | 18.4 | 15.3 | 16.4 |
| 5 | 52.9 | 52.3 | 52.7 | 52.6 | 22.5 | 12.6 | 18.7 | 20.6 | 13.9 | 17.7 |
| 6 | 54.0 | 53.6 | 54.4 | 54.0 | 18.8 | 11.5 | 15.3 | 18.3 | 14.4 | 16.0 |
| 7 | 55.1 | 55.4 | 57.4 | 56.0 | 17.8 | 12.1 | 12.8 | 17.4 | 14.5 | 14.9 |
| 8 | 60.4 | 60.2 | 60.7 | 60.4 | 18.2 | 13.1 | 15.0 | 17.4 | 14.2 | 15.5 |
| 9 | 57.4 | 56.8 | 61.6 | 58.6 | 22.3 | 13.4 | 15.6 | 20.1 | 15.1 | 16.9 |
| 10 | 63.1 | 62.7 | 63.5 | 63.1 | 18.4 | 11.3 | 15.6 | 17.8 | 13.9 | 15.8 |
| 11 | 63.6 | 63.0 | 62.9 | 63.2 | 17.8 | 11.7 | 15.0 | 17.1 | 13.3 | 15.1 |
| 12 | 61.4 | 59.8 | 58.9 | 60.0 | 18.9 | 14.2 | 15.6 | 18.6 | 15.6 | 16.6 |
| 13 | 59.0 | 58.9 | 61.3 | 59.7 | 20.3 | 13.2 | 16.1 | 18.9 | 15.7 | 16.9 |
| 14 | 62.5 | 62.4 | 62.8 | 62.6 | 19.4 | 12.6 | 16.0 | 19.1 | 14.4 | 16.5 |
| 15 | 64.1 | 63.3 | 63.3 | 63.6 | 18.7 | 13.0 | 15.6 | 18.4 | 14.8 | 16.3 |
| 16 | 61.3 | 58.0 | 57.6 | 59.0 | 23.3 | 15.8 | 16.1 | 19.6 | 16.1 | 17.3 |
| 17 | 51.0 | 55.8 | 57.7 | 54.8 | 23.2 | 12.8 | 23.1 | 19.3 | 15.6 | 19.3 |
| 18 | 60.0 | 61.5 | 63.3 | 61.6 | 19.3 | 13.1 | 15.0 | 19.0 | 15.3 | 16.4 |
| 19 | 65.4 | 65.5 | 65.6 | 65.5 | 18.6 | 13.0 | 16.2 | 18.0 | 15.0 | 16.4 |
| 20 | 64.4 | 63.1 | 61.6 | 63.0 | 20.5 | 15.6 | 15.6 | 19.4 | 16.7 | 17.2 |
| 21 | 58.4 | 55.4 | 55.0 | 56.3 | 23.5 | 17.8 | 18.3 | 23.3 | 21.7 | 21.1 |
| 22 | 55.5 | 56.3 | 58.6 | 56.8 | 23.7 | 15.8 | 20.9 | 21.7 | 18.1 | 20.2 |
| 23 | 59.0 | 59.6 | 60.2 | 59.6 | 20.5 | 13.1 | 16.9 | 19.6 | 16.1 | 17.5 |
| 24 | 60.6 | 60.5 | 61.6 | 60.7 | 17.9 | 12.7 | 14.8 | 14.2 | 12.9 | 14.0 |
| 25 | 63.7 | 62.7 | 63.5 | 63.3 | 19.6 | 13.0 | 17.2 | 18.9 | 14.8 | 17.0 |
| 26 | 63.0 | 62.2 | 62.2 | 62.5 | 18.9 | 12.9 | 16.7 | 18.3 | 15.6 | 16.9 |
| 27 | 63.1 | 63.9 | 64.1 | 63.7 | 20.4 | 13.1 | 17.2 | 20.1 | 15.3 | 17.5 |
| 28 | 65.3 | 64.7 | 64.0 | 64.7 | 22.3 | 15.9 | 16.4 | 20.0 | 17.1 | 17.8 |
| 29 | 61.2 | 60.2 | 59.7 | 60.4 | 27.4 | 18.1 | 21.9 | 25.0 | 21.1 | 22.7 |
| 30 | 58.5 | 57.1 | 56.3 | 57.3 | 26.6 | 17.5 | 22.4 | 24.4 | 19.2 | 22.0 |
| 31 | 57.3 | 53.3 | 52.8 | 54.5 | 23.4 | 14.7 | 19.4 | 22.9 | 21.0 | 21.1 |
| | 60.66 | 60.04 | 60.46 | 60.39 | 20.60 | 13.76 | 16.70 | 19.35 | 15. 89 | 17.31 |

Barometer, range for month 768.2 mm. — 751. 0mm.
„ 71-yr. average for month 761.187 mm.
Thermometer, range for month 27.4°C — 11.3°C
„ 71-yr. average for month 16.16°C
Rain total for month 48.51 mm.
„ 71-yrs average for month 92.54 mm.
„ Total, Sept. 1st. to end of month 842. 01mm.
„ 71-yrs. average. Sept. 1st. to end of month 814.84mm.

# MARCH 1954

## METEOROLOGICAL REGISTER

| Date | Pressure of Water Vapor Millibars | | | | Relative Humidity per cent. | | | | sun. | Wind per day | Rain |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | Mean | Hrs. | Kms. | m.m. |
| 1 | 9.2 | 12.7 | 13.5 | 11.8 | 63 | 64 | 78 | 68 | 10.5 | 269.0 | |
| 2 | 10.1 | 13.3 | 13.5 | 12.3 | 63 | 62 | 80 | 68 | 10.9 | 206.0 | |
| 3 | 9.7 | 13.9 | 14.0 | 12.5 | 56 | 67 | 79 | 67 | 9.5 | 187.0 | |
| 4 | 11.6 | 12.8 | 13.0 | 12.5 | 64 | 61 | 78 | 68 | 7.4 | 127.0 | |
| 5 | 9.9 | 12.6 | 14.4 | 12.3 | 45 | 52 | 91 | 63 | 4.9 | 229.0 | 3.81 |
| 6 | 13.0 | 13.9 | 11.5 | 12.8 | 74 | 67 | 71 | 71 | 3.7 | 72.0 | 1.52 |
| 7 | 13.8 | 15.3 | 13.9 | 14.3 | 92 | 79 | 85 | 85 | 3.1 | 274.0 | 19.31 |
| 8 | 13.5 | 14.8 | 14.4 | 14.2 | 79 | 75 | 90 | 81 | 9.1 | 108.0 | 4.57 |
| 9 | 12.5 | 14.1 | 12.0 | 12.9 | 71 | 61 | 70 | 67 | 8.5 | 566.0 | |
| 10 | 11.6 | 12.3 | 10.5 | 11.5 | 64 | 61 | 68 | 64 | 8.5 | 206.0 | |
| 11 | 10.6 | 13.7 | 11.4 | 11.9 | 62 | 69 | 76 | 69 | 6.9 | 55.0 | 2.79 |
| 12 | 12.5 | 14.4 | 15.6 | 14.2 | 70 | 70 | 88 | 76 | 6.8 | 237.0 | |
| 13 | 14.5 | 16.1 | 14.5 | 15.0 | 83 | 74 | 83 | 80 | 7.4 | 241.0 | |
| 14 | 14.1 | 15.0 | 13.9 | 14.3 | 78 | 69 | 84 | 77 | 8.3 | 47.0 | |
| 15 | 8.8 | 13.9 | 11.5 | 11.4 | 51 | 66 | 68 | 62 | 9.4 | 204.0 | |
| 16 | 12.6 | 15.1 | 15.1 | 14.3 | 68 | 68 | 82 | 73 | 5.1 | 248.0 | |
| 17 | 9.8 | 14.0 | 13.5 | 12.4 | 36 | 63 | 77 | 59 | 6.4 | 826.0 | 0.51 |
| 18 | 14.0 | 14.5 | 13.5 | 14.0 | 82 | 66 | 80 | 76 | 7.5 | 333.0 | 3.56 |
| 19 | 13.6 | 13.3 | 13.5 | 13.5 | 74 | 67 | 78 | 73 | 8.1 | 201.0 | 0.25 |
| 20 | 13.5 | 15.6 | 15.7 | 14.9 | 75 | 70 | 82 | 76 | 6.4 | 259.0 | |
| 21 | 14.4 | 12.0 | 9.1 | 11.8 | 68 | 41 | 34 | 48 | 1.7 | 113.0 | |
| 22 | 16.0 | 14.4 | 16.4 | 15.6 | 65 | 56 | 80 | 67 | 4.2 | 340.0 | 0.25 |
| 23 | 16.8 | 16.8 | 15.1 | 16.2 | 88 | 75 | 83 | 82 | 7.9 | 320.0 | 1.02 |
| 24 | 14.0 | 14.4 | 12.8 | 13.7 | 83 | 91 | 88 | 87 | 0.0 | 211.0 | 10.67 |
| 25 | 14.2 | 13.9 | 13.0 | 13.7 | 72 | 64 | 77 | 71 | 8.9 | 377.0 | 0.25 |
| 26 | 12.6 | 13.9 | 14.0 | 13.5 | 66 | 67 | 79 | 71 | 8.0 | 533.0 | |
| 27 | 14.2 | 16.9 | 15.6 | 15.6 | 71 | 73 | 88 | 77 | 8.2 | 97.0 | |
| 28 | 14.7 | 15.8 | 15.3 | 15.3 | 76 | 69 | 78 | 74 | 8.6 | 163.0 | |
| 29 | 13.9 | 17.5 | 12.2 | 14.5 | 55 | 55 | 49 | 53 | 6.1 | 74.0 | |
| 30 | 15.7 | 15.0 | 16.1 | 15.6 | 58 | 49 | 74 | 60 | 2.1 | 77.0 | |
| 31 | 17.9 | 14.6 | 13.2 | 15.2 | 79 | 53 | 54 | 62 | 4.0 | 644.0 | |
| | 13.01 | 14.40 | 13.60 | 13.67 | 68.7 | 65.3 | 76.5 | 70.2 | 6.71 | 253.68 | 1.56 |

Height of Barometer above sea level : 33.7 meters.
„ „ Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

# MARCH 1954

## METEOROLOGICAL REGISTER

| Date | Clouds clear—0 Overcast—10 | | | | Direction and force of wind Beaufort scale | | | Sea | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | | |
| 1 | 0 | 0 | 0 | 0.0 | 1ne | 1ne | 2ne | light | D., a.m.p.m. |
| 2 | 0 | 7ci | 0 | 2.3 | 1e | 1n | 2n | ,, | D., a.m.p.m. |
| 3 | 0 | 10ci-st | 0 | 3.3 | 1sw | 1n | 2ne | ,, | D., a.m.p.m. |
| 4 | 10ci | 10ci-st | 10st | 10.0 | 1sw | 1n w | 1ne | ,, | D. a.m.p.m; H. p.m. |
| 5 | 10st | 8st | 2st | 6.7 | 3se | 1w | 1sw | ,, | |
| 6 | 10st-ni | 6st | 0 | 5.3 | 1se | 1w | 1sw | light | Fag., p.m. |
| 7 | 9st-ni | 9cu-ni | 8st | 8.7 | 1sw | 1sw | 1sw | ,, | |
| 8 | 0 | 1cu | 0 | 0.3 | 1sw | 1n | 1e | ,, | D., p.m. |
| 9 | 7cu-st | 1cu | 9cu-st | 5.7 | 1w | 3sw | 2sw | ,, | H., p.m. |
| 10 | 10st | 5cu-st | 9st | 8.0 | 1sw | 2sw | 1sw | ,, | |
| 11 | 10st | 5st | 6ci | 7.0 | 1se | 1nw | 1ne | light | D., p.m. |
| 12 | 10st | 8ci | 10st | 9.3 | 1e | 1 ne | 1ne | ,, | D., p.m. |
| 13 | 10st | 1cu | 4cu | 5.0 | 1e | 1nw | 3n | ,, | D., a.m. p.m. |
| 14 | 0 | 6cu-ci | 10st | 5.3 | 1n | 1w | 1e | ,, | D., a.m. p.m. |
| 15 | 8ci-st | 0 | 0 | 2.7 | 1 e | 1n | 1ne | ,, | D., a.m. |
| 16 | 10ci-st | 8ci-st | 10st | 9.3 | 1ne | 1ne | 1ne | light | D., a.m. |
| 17 | 10st | 6cu-st | 10st-ni | 8.7 | 2sw | 2sw | 3sw | slight | G., a.m. |
| 18 | 8cu-ni | 6cu | 8cu-st | 7.3 | 3sw | 2sw | 1sw | ,, | |
| 19 | 1cu | 5cu-st | 6st | 4.0 | 1sw | 1n | 2n | light | |
| 20 | 8st | 10st | 10st | 9.3 | 1ne | 1ne | 1ne | ,, | D., a.m. |
| 21 | 10st | 10st | 10st | 10.0 | 1ne | 1sw | 1e | light | |
| 22 | 9st | 10st-ni | 10st-ni | 9.7 | 1ne | 2s | 1sw | ,, | |
| 23 | 0 | 5cu-st | 5st | 3.3 | 1sw | 1sw | 1sw | ,, | Fog., a.m. |
| 24 | 10st-ni | 10ni | 10ni | 10.0 | 1sw | 1sw | 1sw | ,, | |
| 25 | 8cu-st | 1st | 0 | 3.0 | 1sw | 2sw | 1sw | slight | |
| 26 | 0 | 3st | 0 | 1.0 | 2sw | 2sw | 1sw | light | D., a.m. |
| 27 | 10ci-st | 9st | 0 | 6.3 | 1sw | 1sw | 1ne | ,, | D., a.m. |
| 28 | 1ci | 9st | 0 | 3.3 | 1ne | 1ne | 1e | ,, | D., a.m. |
| 29 | 10ci-st | 10ci-st | 10st | 10.0 | 1e | 1nw | 1s | ,, | D. a.m |
| 30 | 10st | 9st | 0 | 6.3 | 1nw | 1e | 1e | ,, | |
| 31 | 10st-ni | 2st | 0 | 4.0 | 1ne | 3ne | 1n | ,, | |
| | mean | | | 5.97 | | | | | |

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew, W = strong wind; Tr = trace of rain

### Number of Daily Wind Observations

| Time | N | NE | E | SE | S | SW | W | NW | Calm | Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:30 | 1 | 7 | 5 | 3 | 0 | 13 | 1 | 1 | 0 | 31 |
| 14:30 | 5 | 6 | 1 | 0 | 1 | 11 | 3 | 4 | 0 | 31 |
| 20:30 | 4 | 9 | 5 | 0 | 1 | 12 | 0 | 0 | 0 | 31 |
| Total | 10 | 22 | 11 | 3 | 2 | 36 | 4 | 5 | 0 | 93 |

Number of days with rain 12, fog 2, thunderstorms 0, gale. 1

71 yr. av. number of days with rain during month 10.76